

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	263	235/462.46.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:42
L3	568	235/462.25.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:43
L4	1338	235/462.01.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:43
L5	1474	235/462.01-462.03. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:43
L6	71	235/462.26.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:43
L7	131	235/462.49.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:43
L8	1603	235/472.01-472.03. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:43
L9	2584	235/454.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:44
L10	47	235/484.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:44
L11	624	235/470.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:44
L12	6137	2 3 4 5 6 7 8 9 10 11	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:44
L13	577	12 and (cylind\$6 same surface)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:45
L14	101	12 and (cylind\$6 same surface).clm.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/02/21 01:45
S1	6	((("5625483") or ("5280164") or ("5864128") or ("5794023") or ("5932860") or ("5955721"))).PN.	USPAT; USOCR	OR	OFF	2003/05/07 09:43

S2	0	piezoeletric near scan \$4	USPAT	OR	OFF	2002/02/04 09:14
S3	0	piezoeletric adj25 scan	USPAT	OR	OFF	2002/02/04 09:14
S4	11	piezoeletric and scan	USPAT	OR	OFF	2002/02/04 10:33
S5	0	piezoeletric and 235/462.45.ccls.	USPAT	OR	OFF	2002/08/14 08:37
S6	184660	scan\$3	USPAT	OR	OFF	2002/02/04 10:33
S7	0	scan\$3 and (reflector adj25 variable adj25 shape)	USPAT	OR	OFF	2002/02/04 10:34
S8	15	scan\$3 and (reflector same variable same shape)	USPAT	OR	OFF	2002/02/04 10:34
S9	357	235/462.45.ccls.	USPAT	OR	OFF	2002/02/04 10:38
S10	52	235/462.45.ccls. and reflector\$3	USPAT	OR	OFF	2002/02/04 10:41
S11	0	(235/462.45.ccls. and reflector\$3) and variable adj shape	USPAT	OR	OFF	2002/02/04 10:42
S12	0	235/462.45.ccls. and variable adj shape	USPAT	OR	OFF	2002/02/08 08:07
S13	678	variable adj shape	USPAT	OR	OFF	2002/02/04 10:42
S14	111	(variable adj shape) and scan\$4	USPAT	OR	OFF	2002/02/04 10:42
S15	8	(variable adj shape) same reflector	USPAT	OR	OFF	2002/02/04 10:42
S16	1916	bimorph	USPAT	OR	OFF	2002/02/08 08:07
S17	22	bimorph and 235/462.45.ccls.	USPAT	OR	OFF	2002/02/08 08:09
S18	381	bimorph same shap\$3	USPAT	OR	OFF	2002/02/20 08:48
S19	0	bimorph same (reflector adj5 shap\$3)	USPAT	OR	OFF	2002/02/08 08:10
S20	0	bimorph same (reflector adj25 shap \$3)	USPAT	OR	OFF	2002/02/08 08:10
S21	0	bimorph same (reflector adj25 radial)	USPAT	OR	OFF	2002/02/08 08:11
S22	537	reflector adj25 radial	USPAT	OR	OFF	2002/02/08 08:11

S23	537	(reflector adj25 radial) and 235/\$7.ccls.	USPAT	OR	OFF	2002/02/08 08:11
S24	2	(reflector adj25 radial) and "235"/\$7.ccls.	USPAT	OR	OFF	2002/02/08 08:11
S25	10	((("6137105") or ("6053409") or ("5812065") or ("5559319") or ("5521367") or ("5422469") or ("5404001") or ("5295014") or ("5281801") or ("5170277"))).PN.	USPAT; USOCR	OR	OFF	2002/02/08 09:14
S26	0	bimorph adj25 controll	USPAT	OR	OFF	2002/02/20 08:48
S27	183	bimorph adj25 control	USPAT	OR	OFF	2002/02/20 08:49
S28	1	(bimorph adj25 control) same reflect	USPAT	OR	OFF	2002/02/20 08:49
S29	46	"5170277".URPN.	USPAT	OR	OFF	2002/02/20 09:04
S30	4	("4818886"   "5170277"   "5521367"   "6049406").PN.	USPAT	OR	OFF	2002/02/20 09:14
S31	46	"4818886".URPN.	USPAT	OR	OFF	2002/02/20 09:16
S32	97	piezoeletric	USPAT	OR	OFF	2002/02/20 10:13
S33	0	piezoeletric and "235"/\$7.ccls.	USPAT	OR	OFF	2002/02/20 10:13
S34	0	piezoeletric and "235"/\$7.ccls.	USPAT	OR	OFF	2002/02/20 10:13
S35	39189	piezoelectric	USPAT	OR	OFF	2002/02/24 14:57
S36	214	piezoelectric and "235"/\$7.ccls.	USPAT	OR	OFF	2002/02/20 10:14
S37	0	(piezoelectric and "235"/\$7.ccls.) and expander	USPAT	OR	OFF	2002/02/20 10:15
S38	430	piezoelectric and expander	USPAT	OR	OFF	2002/02/20 10:14
S39	0	(piezoelectric and expander) and "235"/\$7.ccls.	USPAT	OR	OFF	2002/02/20 10:14
S40	29	(piezoelectric and "235"/\$7.ccls.) and reflect	USPAT	OR	OFF	2002/02/20 10:20

S41	15	(piezoelectric and "235"/\$7.ccls.) and reflector	USPAT	OR	OFF	2002/02/20 10:20
S42	1	("4831257").PN.	USPAT; USOCR	OR	OFF	2002/02/20 10:37
S43	2	((("4831275") or ("4818886"))).PN.	USPAT; USOCR	OR	OFF	2002/02/20 10:37
S44	39603	piezoelectric bimorph	USPAT	OR	OFF	2002/02/20 13:26
S45	149	(piezoelectric bimorph) and bar adj code adj reader	USPAT	OR	OFF	2002/02/20 13:31
S46	25	((piezoelectric bimorph) and bar adj code adj reader) and reflector	USPAT	OR	OFF	2002/02/20 13:26
S47	1427	(piezoelectric bimorph) and arcuate	USPAT	OR	OFF	2002/02/20 13:31
S48	1	((piezoelectric bimorph) and arcuate) and (variable adj shape)	USPAT	OR	OFF	2002/02/20 13:32
S49	13	((piezoelectric bimorph) and arcuate) and "235"/\$7.ccls.	USPAT	OR	OFF	2002/02/23 13:14
S50	2720	235/462.\$3.ccls.	USPAT	OR	OFF	2002/02/23 13:15
S51	112	235/462.\$3.ccls. and (bimorph piezoelectric)	USPAT	OR	OFF	2002/02/23 13:16
S52	1	(235/462.\$3.ccls. and (bimorph piezoelectric)) and expander	USPAT	OR	OFF	2002/02/23 13:16
S53	279	"4387297".URPN.	USPAT	OR	OFF	2002/02/23 13:18
S54	6	(piezoelectric adj scan \$4) and "235"/\$7.ccls.	USPAT	OR	OFF	2002/02/24 14:57
S55	29	"5371347".URPN.	USPAT	OR	OFF	2002/02/24 15:07
S56	4	"5481099".URPN.	USPAT	OR	OFF	2002/02/24 15:22
S57	1027	piezoelectric adj25 scan \$4	USPAT	OR	OFF	2002/02/24 15:24
S58	165	piezoelectric adj scan\$4	USPAT	OR	OFF	2002/02/24 17:34
S59	1	("5051646").PN.	USPAT; USOCR	OR	OFF	2002/02/24 15:30
S60	68	piezoelectric near reflect \$4	USPAT	OR	OFF	2002/02/24 17:34
S61	0	"6253619".URPN.	USPAT	OR	OFF	2002/02/24 17:40

S62	9	("3622790"   "3927557"   "4269067"   "4606031"   "5240005"   "5596989"   "5677491"   "5680863"   "5859417").PN.	USPAT	OR	OFF	2002/02/24 17:40
S63	4	"5859417".URPN.	USPAT	OR	OFF	2002/02/24 17:44
S64	3	((("6234396") or ("6053409") or ("5576529"))).PN.	USPAT; USOCR	OR	OFF	2002/02/24 18:05
S65	4829	beam adj expander\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/14 08:37
S66	2	bean adj expander\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2002/08/14 08:37
S67	4	(beam adj expander\$4) and 235/462.45.ccls.	USPAT	OR	OFF	2002/08/14 08:37
S68	1	("6419156").PN.	USPAT; USOCR	OR	OFF	2003/05/07 09:43
S71	1	("6419156").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/06/07 17:08
S72	590	(beam adj expander) near20 cylindr\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 15:59
S73	6248	S72 anmd 235/462.\$. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 15:57
S74	3	S72 and 235/462.\$. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 15:59
S75	309	(scan near5 mirror) near20 cylindr\$6	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:04
S76	11	S75 and 235/462.\$. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:04
S77	3	("3750189"   "4953925"   "5293266").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:02
S78	0	S75 same relect\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:04

S79	168	S75 same reflect\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:04
S80	3	S79 and 235/462\$. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:22
S81	80	(mirror adj facet) same cylindr\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:10
S82	94	(mirror adj polygon\$4) same cylindr\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:12
S83	0	S82 and 235/462\$. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:10
S84	10	(mirror adj polygon\$4) same (cylindr\$4 adj mirror)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:22
S85	0	cynlidr\$4 adj drum	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:21
S86	10126	cylindr\$4 adj drum	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:21
S87	2	S86 and 235/472\$. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:21
S88	3	S86 and 235/462\$. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:22
S89	2046	(cylindr\$4 adj mirror)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:23
S90	20	S89 and 235/462\$. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:38
S91	122	(cylindr\$4 adj mirror) same expand\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:24
S92	2	S91 and 235/462\$. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:24

S93	29	("20020085516"   "4800256"   "5107100"   "5230088"   "5495097"   "5514861"   "5821519"   "5942157"   "6002925"   "6040928"   "6082862"   "6091521"   "6094283"   "6101008"   "6101483"   "6115151"   "6115152"   "6124954"   "6130872"   "6138915"   "6158659"   "6172778"   "6185016"   "6305607"   "6317228"   "6336587"   "6340114"   "6415982"   "6504629").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/06/25 16:31
S94	25	S89 and "235"/\$7.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 17:11
S95	459	S89 same rotat\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:40
S96	153	S89 near10 rotat\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:45
S97	35	S89 near rotat\$4	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 16:40
S98	378	cylindrical adj5 expander	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 17:06
S101	32	cylindrical adj beam adj expander	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 17:11
S102	0	cylindrical adj light adj expander	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 17:11
S103	2	S98 and "235"/\$7.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/06/25 17:11
S104	18	"546962"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/10/21 09:16
S105	330	(cylindr\$4 near20 surface) same reader	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/10/21 09:30

S106	12	S105 same barcode	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/10/21 09:17
S107	161	235/462.14.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/10/21 09:17
S108	26	cylindr\$4 and S107	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/10/21 09:33
S109	25	("6053409").URPN.	USPAT	OR	ON	2005/10/21 09:21
S110	13	("6325289").URPN.	USPAT	OR	ON	2005/10/21 09:22
S111	11	("4918297"   "5446267"   "5491328"   "5525786"   "5744815"   "5988502"   "6216953"   "6325289"   "6435413"   "6446870"   "6462880").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 09:23
S112	39	("3904274"   "4091274"   "4280756"   "4480892"   "4538181"   "4560862"   "4600837"   "4622593"   "4691212"   "4714830"   "4733064"   "4792018"   "4797558"   "4843222"   "5029956"   "5103334"   "5124538"   "5136413"   "5142132"   "5170277"   "5173603"   "5192856"   "5198648"   "5206755"   "5216230"   "5223700"   "5276544"   "5289001"   "5308966"   "5386107"   "5387786"   "5392149"   "5461601"   "5475523"   "5484990"   "5528024"   "5583331"   "5646765"   "5693929").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/10/21 09:25
S113	6	("5392149").URPN.	USPAT	OR	ON	2005/10/21 09:27
S114	3866	(cylindr\$4 near20 surface) same reflect\$4 same optical	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/10/21 09:31



S115	133	S114 and "235"/\$7. ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/10/21 09:31
S116	1	("6419156").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/21 09:33
S118	15264	polygon adj (mirror reflector)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/10/21 09:33
S119	1517	cylindr\$4 near30 S118	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/10/21 09:34
S120	1204	cylindr\$4 near10 S118	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/10/21 09:34
S121	26	cylindr\$4 near S118	US-PGPUB; USPAT; EPO; JPO	OR	ON	2005/10/21 10:21
S122	1	("5710418").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2005/10/21 10:21
S123	19	"546962"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/19 10:13
S124	0	"09546962"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/19 10:13
S125	1	"6419156"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/10/19 10:29

2/ 21/ 08 1:56:55 AM

C:\Documents and Settings\slee5\My Documents\EAST\Workspaces\09546962.wsp